

Software Engineering MCQ Question Answer

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Question: 1. What is meant by a dedicated computer?

- Option A. Which is used by one person only
- Option B. Which is assigned one and only one task
- Option C. Which uses one kind of software
- Option D. Which is meant for application software

Question: 2. Choose the correct option in terms of Issues related to professional responsibility

- Option A. Confidentiality
- Option B. Intellectual property rights
- Option C. Managing Client Relationships
- Option D. Both a & b

Question: 3. The name for the way that computers manipulate data into information is called:

- Option A. processing
- Option B. programming
- Option C. storing
- Option D. organizing

Question: 4. Software engineers should not use their technical skills to misuse other peoples computers. Here the term misuse refers to:

- Option A. Unauthorized modification of computer material
- Option B. Unauthorized access to computer material
- Option C. Dissemination of viruses or other malware
- Option D. All of the mentioned

Question: 5. Assertion and condition which are true at the point of execution

- Option A. sometimes
- Option B. many times
- Option C. always
- Option D. no times

Question: 6. Efficiency in a software product does not include _____

- Option A. licensing
- Option B. responsiveness
- Option C. processing time
- Option D. memory utilization

Question: 7. Select the incorrect statement: Software engineers should

- Option A. not use your technical skills to misuse other peoples computers.
- Option B. not knowingly accept work that is outside your competence.
- Option C. be dependent on their colleagues.
- Option D. maintain integrity and independence in their professional judgment.

Question: 8. Explain what is meant by PRODUCT with reference to one of the eight principles as per the ACM/IEEE Code of Ethics ?

- Option A. Software engineers shall ensure that their products and related modifications meet the highest professional standards possible.
- Option B. The product should be easy to use.
- Option C. It means that the product designed /created should be easily available.
- Option D. Software engineers shall ensure that their products and related modifications satisfy the client.

Question: 9. Identify the correct statement: Software engineers shall

- Option A. ensure that their products only meet the SRS.
- Option B. act consistently with the public interest.
- Option C. act in a manner that is in the best interests of his expertise and favour.
- Option D. none

Question: 10. A good specification should be?

- Option A. distinctly specific
- Option B. unambiguous
- Option C. all of these
- Option D. functional

Question: 11. Which of the following is a tool in design phase?

- Option A. abstraction
- Option B. refinement
- Option C. information hiding
- Option D. all of above three

Question: 12. Information hiding is to hide from user details

- Option A. that are not relevant to him
- Option B. that re relevant to him
- Option C. that may be maliciously handled by him
- Option D. that are confidential

Question: 13. In object oriented design of software which of the following is not true?

- Option A. objects inherit the properties of the class
- Option B. classes are defined based on the attributes of the object
- Option C. objects can belong to two classes
- Option D. classes are always different

Question: 14. Design phase includes?

- Option A. data,architectural and procedural designs only
- Option B. architectural,procedural and interface design only
- Option C. data,architectural and interface design only
- Option D. data,architectural interface and procedural design

Question: 15. Data structure suitable for an application discussed in?

- Option A. interface design
- Option B. data design
- Option C. procedural design
- Option D. architectural design

Question: 16. Design phase will usually be?

- Option A. bottom-up
- Option B. random
- Option C. top-down
- Option D. center fingring

Question: 17. Which of the following is one of the phase of software life cycle?

- Option A. Design
- Option B. Project Management
- Option C. Maintenance
- Option D. Quality management

Question: 18. The Linear sequential model of software development is_____

- Option A. An Old Fashioned model that cannot be used in a modern context
- Option B. A good approach when a working program is required quickly
- Option C. A useful approach when a customer cannot define requirements clearly.
- Option D. A reasonable approach when requirement are well defined.

Question: 19. The Linear sequential model is also known as _____.

- Option A. classical life cycle model
- Option B. Fountain model
- Option C. Spiral model
- Option D. Concurrent model

Question: 20. The rapid application development model is_____

- Option A. A Combination of prototyping and waterfall model
- Option B. Includes project risks evaluation during each iteration
- Option C. A high speed adaptation of the linear sequential model
- Option D. Used to suggests a systematic sequential approach to software development

Question: 21. Which of the following is not the strategy for achieving reliability in software system?

- Option A. Fault avoidance
- Option B. Fault tolerance
- Option C. Fault detection
- Option D. Fault repair

Question: 22. In _____ approach to reuse, reusable knowledge is captured in a program generator system, which can be programmed in a domain-oriented language.

- Option A. Function reuse
- Option B. Application system reuse
- Option C. Sub- system reuse
- Option D. Generator based reuse

Question: 23. which is used to measure POFOD?

- Option A. The time between system failure
- Option B. The frequency of occurrence with which unexpected behaviour is likely to occur
- Option C. The elapsed repair or restart time when a system failure occurs. Given that the system must be continuously available.
- Option D. The number of system failures given a number of systems inputs.

Question: 24. Which of the following the notation is not used to represent an object class in an object model?

- Option A. Class Name
- Option B. Entity
- Option C. Attributes
- Option D. Service

Question: 25. Which of the following model include inheritance model, object aggregation, and service usage model?

- Option A. Entity- relation model
- Option B. Data flow model
- Option C. Structural model
- Option D. Object model

Question: 26. _____ serves as the foundation for software engineering.

- Option A. Software Analysis
- Option B. Software Design
- Option C. Software quality
- Option D. Software testing

Question: 27. Which of the following notation in data flow diagram is used to represent user interaction with system?

- Option A. Arrow Head
- Option B. Rectangle
- Option C. Rounded Rectangle
- Option D. Circle

Question: 28. Which of the following are the steps in identifying the transforming process of data-flow diagram to structure chart?

- Option A. Identify system- processing transformation
- Option B. Identify input transformation
- Option C. Identify output transformation
- Option D. All the above

Question: 29. _____ is used to derive a class from existing class.

- Option A. Polymorphism
- Option B. Encapsulation
- Option C. Inheritance
- Option D. Information hiding

Question: 30. Which of the following is a technical factor which affect software maintenance cost?

- Option A. Application Domain
- Option B. Staff stability
- Option C. Programming language
- Option D. External environment

Answer Sheet

1	B	
2	D	
3	A	
4	D	
5	C	
6	A	
7	C	
8	D	
9	B	
10	C	
11	D	
12	C	
13	C	
14	D	
15	B	
16	C	
17	A	
18	D	
19	A	
20	C	
21	D	
22	D	
23	D	
24	B	
25	D	
26	B	
27	D	
28	D	
29	C	
30	C	